

Curriculum Vitae

John Balas

Personal Information

Full name: John Balas

Birth date: 21/2/1992

Contact phone: (+30) 6973950267

e-mail: balas@materials.uoc.gr

Education

9/2017- : **Student at Material Science Master's program, University of Crete:**
Thesis (in progress):
Spin polarization versus temperature of trapped polariton condensates.
Supervisor:
Pavlos Savvidis, Professor at Material Science department, UOC.

10/2017: **Bachelor's degree in Material Science, UOC with 240 ECTS.**

Research experience/interests

9/2016-8/2017: **Bachelor's thesis:**
"DLP Pattern Generator For Creating and Studying Polariton Condensates" , Grade: 10/10.

3/2017-5/2017: Development of spectral imaging applications
For my internship at Spectricon company.

8/2017- : Experimental setup development for imprinting optical lattices for creating and studying polariton condensates using DLP technology.
Optical characterization of polaritonic devices using single shot angle resolved spectroscopy and time resolved spectroscopy techniques .

Polariton spin polarization vs temperature.
Time resolved spectroscopy.

Skills

Programming languages: C objective, Matlab, Keysight VeePro, C++.

Digitally controlled analog/digital electronic circuits.

Automated measurements.